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International Specialists in the Environmental Sciences



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Richardson's Flats

7426

TO : Eric Johnson - EPA Region VIII
FROM: Jeff Holcomb - E&E FIT
DATE: April 8, 1985
Distribution: Keith Schwab - FIT-RPO
Judy Wong - REM-RPO

This letter report is submitted in partial fulfillment of TDD's R8-8411-07, R8-8502-06, and R8-8502-07, a review of the State of Utah Department of Health (DOH) Site Inspection reports.

Four SI's were reviewed. The sites reviewed were:

1. Old Salt Lake County Landfill
2. Richardson's Flat Tailings
3. Bauer Tailings
4. Tooele Smelter and Anaconda Carr Fork Operations

Please see the attached sheets for the review notes.

A summary of the review is below:

<u>SITE</u>	<u>PRIORITY</u>	<u>RECOMMENDATIONS</u>
Old Salt Lake County Landfill	High	Conduct site visit and prepare for SI follow-up in May or June.
Richardson's Flat Tailings	High	Conduct site visit and prepare for SI follow-up in June.
Bauer Tailings	Medium	Obtain more information and conduct site visit.

SITEPRIORITYRECOMMENDATIONS

Tooele Smelter

Medium

Do in conjunction with
Bauer.

Site visits will be conducted the last two weeks of April. The site visits will allow the FIT to make a more valid judgement as to the actual action required at each site. The SI follow-ups will be done in conjunction with the SI's outlined in the letter report for TDD R8-8504-01.

If you have any questions, please call me.

TITLE OF PA, (SI/HRS) - Richardson's Flat Tailings

TDD # - R8-8502-07

DEFICIENCIES:

- 1) In letter (last paragraph) states groundwater concentration but in SI under Hazardous Substances refers to surface water with the same concentrations.
- 2) Ponded water on-site - is it there year round? Does it really qualify as a surface water? Is the ponded water a result of the small streams?
- 3) Should take a sample of Silver Creek. None were taken by the Utah DOH.
- 4) Are there any wells near by or on-site?
- 5) What are sources of drinking water and where are they?
- 6) How far down stream is the Weber River?
- 7) It may be appropriate to take sediment samples in Silver Creek.
- 8) Silver Creek is used for irrigation - what is the total amount of irrigateable acreage?
- 9) Silver Creek is a 3A stream - is the quality getting worse?
- 10) Three monitoring wells, directly below tailings dam - were they sampled?
- 11) Distance to nearest population?

- [REDACTED]
- 12) Any critical habitats?
 - 13) Need to establish surface water release - samples taken do not indicate a release.
 - 14) Need to establish ground water release. Samples taken as upgradient and downgradient appear to be more "co" gradient; (if assume flow is WNW) should put down a few wells.
 - 15) Air sampling is needed.
 - 16) Population should be 10,000.
 - 17) No difference between PA (8-15-84) and SI (8-30-84).

RECOMMENDATIONS:

- 1) Conduct site visit to scope out site for site inspection the 1st or 2nd week of June.
- 2) Perform multi-media sampling investigation - will include air sampling (Hi-Vol) and probably drilling (2-3 wells).